

INTERNATIONAL SEARCH REPORT

PCT/IB 03/02980

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C04B35/115 H01J61/30 C04B35/645

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C04B H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC, COMPENDEX, CHEM ABS Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HAYASHI K ET AL: "TRANSMISSION OPTICAL PROPERTIES OF POLYCRYSTALLINE ALUMINA WITH SUBMICRON GRAINS" MATERIALS TRANSACTIONS JIM, SENDAI, JP, vol. 32, no. 11, 1991, pages 1024-1029, XP000998198	1-3
Y	page 1024, right-hand column, paragraph 1 -page 1025, left-hand column, paragraph 2; figures 1,3,4 --- -/-	4,5

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

27 November 2003

Date of mailing of the international search report

05/12/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	OH-HUN KWON ET AL: "Submicrometer transparent alumina by sinter forging seeded gamma -Al ₂ O ₃ powders" JOURNAL OF THE AMERICAN CERAMIC SOCIETY, AMERICAN CERAMIC SOCIETY. COLUMBUS, US, vol. 78, no. 2, February 1995 (1995-02), pages 491-494, XP002165586 ISSN: 0002-7820	1-3
Y	page 491, right-hand column, paragraph 4 -page 492, left-hand column, paragraph 2 page 493, left-hand column, paragraph 2 page 493, right-hand column, paragraph 1	4,5
X	EP 1 053 983 A (NGK SPARK PLUG CO) 22 November 2000 (2000-11-22)	1-3
Y	Samples 2-5, table 1. example 1 Samples 9 and 10, table 6. page 5	4,5
X	MIZUTA H ET AL: "Preparation of high-strength and translucent alumina by hot isostatic pressing" JOURNAL OF THE AMERICAN CERAMIC SOCIETY, AMERICAN CERAMIC SOCIETY. COLUMBUS, US, vol. 75, no. 2, February 1992 (1992-02), pages 469-473, XP002165587 ISSN: 0002-7820	1-3
Y	page 469, right-hand column, paragraph 1 -page 470, right-hand column, paragraph 3; figures 1A,1B,4	4,5
A	US 4 285 732 A (CHARLES RICHARD J ET AL) 25 August 1981 (1981-08-25) claim 8; example 3	1-3,5-10
Y	column 17, line 34-36	4
Y	EP 1 187 175 A (MATSUSHITA ELECTRIC IND CO LTD) 13 March 2002 (2002-03-13) paragraph '0034!	4,5

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